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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/786,249		02/25/2004	John A. Hayden	A0312.70515US00	2715	
·	7590	08/29/2006		EXAMINER		
William R.			VIDWAN, JASJIT S			
Wolf, Greenfield & Sacks, P.C. 600 Atlantic Avenue			ART UNIT	PAPER NUMBER		
Boston, MA 02210				2182		
				DATE MAILED: 08/29/2006	DATE MAILED: 08/29/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
	Office Action Summany	10/786,249	HAYDEN, JOHN A.				
	Office Action Summary	Examiner	Art Unit				
		Jasjit S. Vidwan	2182				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1)⊠ Re	esponsive to communication(s) filed on 19	July 2004					
	This action is <b>FINAL</b> . 2b)⊠ This action is non-final.						
•==	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
•	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition	of Claims						
4)⊠ CI	Claim(s) <u>1-24</u> is/are pending in the application.						
•	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)□ CI	Claim(s) is/are allowed.						
	Claim(s) is/are rejected.						
7) <u></u> CI	Claim(s) is/are objected to.						
8)⊠ CI	aim(s) <u>1-24</u> are subject to restriction and/o	r election requirement.					
Application	Papers						
9)[] Th	e specification is objected to by the Examir	ner.					
10) <u></u> Th	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Ap	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Re	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) Th	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority und	ler 35 U.S.C. § 119						
· · · · · ·	12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:						
	1. Certified copies of the priority documents have been received.						
	2. Certified copies of the priority documents have been received in Application No						
3.	3. Copies of the certified copies of the priority documents have been received in this National Stage						
<b>+</b> 0 -	application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.							
Attachment(s)							
` '	References Cited (PTO-892)	4) Interview Summary	(PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  Paper No(s)/Mail Date  Notice of Informal Patent Application (PTO-152)							
	on Disclosure Statement(s) (PTO-1449 or PTO/SB/0 o(s)/Mail Date	6) Other:	-atent Application (PTO-152)				

Application/Control Number: 10/786,249

Art Unit: 2182

## **DETAILED ACTION**

## Election/Restrictions

- 1. This application contains claims directed to the following patentably distinct species:
  - (a) Species 1, Claims 1-8, is directed to address computation units and memory pipelines for supplying memory addresses to access buses.
  - (b) Species 2, Claims 9-14, is directed to a register file and a peripheral prioritizer.
  - (c) Species 3, Claims 15-19, is directed towards a prioritizer configured to arbitrate among requests.
  - (d) Species 4, Claim 20, is directed towards a control circuit for controlling data transfer.
  - (e) Species 5, Claims 21-23, is directed towards prioritizer configured to give preference to consecutive transfers.
  - (f) Species 6, Claim 24, is directed towards arbitrating requests and giving preference to DMA requests.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable.

Currently, no claim is generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or

Application/Control Number: 10/786,249

Art Unit: 2182

species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the

examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be

used in a rejection under 35 U.S.C.103 (a) of the other invention.

Applicant is advised that the reply to this requirement to be complete must include (i) an election

of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and

(ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right

to petition, the election must be made with traverse. If the reply does not distinctly and specifically point

out supposed errors in the restriction requirement, the election shall be treated as an election without

traverse.

Any inquiry concerning this communication or earlier communications from the examiner should

be directed to Jasjit S. Vidwan whose telephone number is (571) 272-7936. The examiner can normally

be reached on 8am - 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, KIM

HUYNH can be reached on (571) 272-4147. The fax phone number for the organization where this

application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application

Information Retrieval (PAIR) system. Status information for published applications may be obtained from

either Private PAIR or Public PAIR. Status information for unpublished applications is available through

Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC)

at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative

or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-

1000.

JSV 8/22/06 SUPERVISORY PATENT EXAMINER

8/22/06

Page 3